

In the Claims:

1. (Current Third Amendment) A metal halide lamp of different wattage having superior dimming characteristics, said lamp comprising:

a discharge vessel formed of a material resistant to sodium at high temperature;

a fill including mercury and metal halides in said vessel including at least one member selected from the group consisting of MgI_2 or MgBr_2 , wherein the MgI_2 or MgBr_2 or both are in a molar quantity of the total halides; and

a discharge electrode positioned at each opposite end within the discharge vessel; and

an envelope surrounding the discharge vessel.

3. (Cancelled)
4. (Cancelled)
5. (Cancelled)

6. (Allowed) A metal halide lamp of different wattage having superior dimming characteristics, said lamp comprising:

a discharge vessel formed of a material resistant to sodium at high temperature;

a fill in said vessel including at least one member selected from the group consisting of MgI_2 and/or $MgBr_2$ and an ionizable filling comprising Hg and Ar or Xe, halides of Na and at least one of the halides of Dy, Ho, Tm and wherein the MgI_2 is in a molar quantity between about 5 and 50% of the total molar quantity of the total halides; and

a discharge electrode positioned at each opposite end within the discharge vessel; and

an envelope surrounding the discharge vessel.

7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)

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11. (Cancelled)

12. (Cancelled)

13. (Cancelled)